

Converting Colors

CIELCh(44, 45.332, 133.690)

Have a look what the booklet for
CIELCh(44, 45.332, 133.690)
contains.

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Color

CIELCh(44, 45.322, 133.591)

Conversions

Conversions Part 1

Format	Color
Hex	41742E
RGB	65, 116, 46
RGB Percent	25%, 45%, 18%
CMY	0.7447, 0.5447, 0.8192
CMYK	0.44, 0.00, 0.60, 0.54
HSL	104°, 43%, 32%
HSV	104°, 60%, 46%
XYZ	8.9379, 13.8382, 4.7940
YIQ	92.7710, -7.9260, -32.5820

Conversions

Conversions Part 2

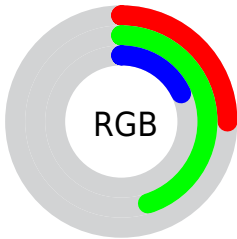
Format	Color
RYB	46, 116, 97
Decimal	4289582
CIELab	44.00, -31.25, 32.83
CIELCh	44, 45.322, 133.591
Yxy	13.8382, 0.3242, 0.5019
Android (android.graphics.Color)	4282479662 (0xFF41742E)
YUV	92.7710, -23.0581, -24.3552
Hunter-Lab	37.1997, -22.2120, 18.3990

Details

The CIELCh color **44, 45.322, 133.591** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **29, 46.878, 318.922**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 45.127, 133.236**, and **24, 44.226, 134.333** is the 20% darker color. If you saturate the color by 10%, you get **43, 51.651, 133.164**, and if you desaturate by 10%, it is **45, 38.362, 134.120**.

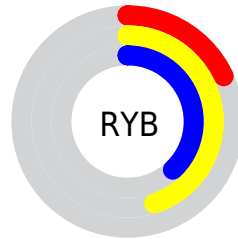
Distribution



Red (25%)

Green (45%)

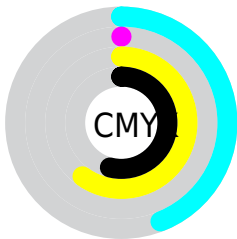
Blue (18%)



Red (18%)

Yellow (45%)

Blue (38%)

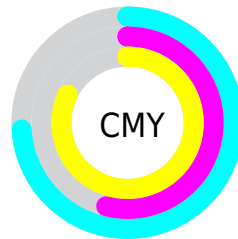


Cyan (44%)

Magenta (0%)

Yellow (60%)

Black (54%)



Cyan (74%)


Magenta (54%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 45.322, 133.591 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 44, 45.322, 133.591 by changing the saturation by 10% instead.


 44, 45.322,
133.591


 44, 45.322,
133.591


 100, 45.322,
133.591


 34, 45.322,
133.591

 64, 45.322,
133.591


 24, 45.322,
133.591

 74, 45.322,
133.591

 14, 45.322,
133.591

 84, 45.322,
133.591

 4, 45.322, 133.591

 94, 45.322,
133.591

 0, 45.322, 133.591

 44, 45.322,

 44, 45.322,

133.591

133.591

■ 43, 51.651,
133.164

■ 45, 38.362,
134.120

■ 43, 57.064,
132.934

■ 45, 30.994,
134.680

■ 43, 61.262,
133.014

■ 46, 23.388,
135.228

■ 42, 64.525,
133.139

■ 47, 15.668,
135.743

■ 48, 7.924, 136.217

■ 49, 0.224, 137.185

■ 50, 7.386, 316.969

■ 51, 14.870,
317.299

■ 52, 22.207,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44, 45.322, 133.591



29, 46.878, 318.922

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44, 45.322, 133.591



44, 45.322, 183.591



44, 45.322, 313.591



44, 45.322, 3.591

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44, 45.323, 133.592



60, 17.173, 135.834



42, 31.228, 87.460



31, 12.032, 135.716



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44, 45.323, 133.592



56, 64.738, 133.054



43, 42.199, 145.620



24, 4.364, 136.275



45, 67.071, 133.210



87, 114.642, 133.863

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29, 46.878, 318.922



34, 67.081, 319.128



31, 41.862, 335.108



23, 4.394, 316.974



22, 69.089, 318.590



48, 117.429, 318.115

Previews

White Background



This preview shows how the CIELCh color 44, 45.322, 133.591 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 44, 45.322, 133.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 45.322, 133.591

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.322, 133.591.



This preview shows how white text looks on a background with the CIELCh color 44, 45.322, 133.591.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


44, 45.322, 133.591

Protanopia

44, 35.879, 96.376

Deuteranopia

44, 31.892, 79.642



Tritanopia
44, 12.309, 224.433

Trichromacy



Original Color
44, 45.322, 133.591

Protanomaly
43, 37.199, 112.911

Deuteranomaly
43, 32.304, 105.430

Tritanomaly
44, 19.736, 159.870

Monochromacy



Original Color
44, 45.322, 133.591

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 16.999, 135.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.322, 133.591 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(65, 116, 46)` looks like.

```
.text, #text, p{  
    color:rgb(65, 116, 46)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(65, 116, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 116, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.322, 133.591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 116, 46) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(65, 116, 46) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(65, 116, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 116, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 116, 46);  
box-shadow:4px 4px 4px 4px rgb(65, 116,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.322, 133.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 116, 46) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(65, 116,  
46) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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